

DOCKET NO. 2000.10.001.WT0
U.S. SERIAL NO. 09/653,764
PATENT

IN THE CLAIMS

Please amend Claims 1-20 as follows:

1. (Original) A mobile station capable of communicating with a plurality of base stations in a wireless network and receiving at least one of a software program, a software correction patch and provisioning data from a server associated with said wireless network, said mobile station comprising:

an RF transceiver capable of receiving wireless messages from said plurality of base stations and converting said received wireless messages to a plurality of Internet protocol (IP) packets;

an encryption controller capable of converting said IP packets from an encrypted format to a decrypted format; and

a data burst message protocol controller capable of converting said decrypted IP packets to at least one data burst message.

2. (Original) The mobile station as set forth in Claim 1 wherein said encryption controller is capable of encrypting and decrypting IP packets according to at least one of:

IP Sec tunneling protocol;

Secure Shell (SSH) tunneling protocol;

Secure Sockets Layer/Transport Layer Security (SSL/TLS); and

point-to-point tunneling protocol (PPTP).

DOCKET NO. 2000.10.001.WT0
U.S. SERIAL NO. 09/653,764
PATENT

3. (Previously Presented) The mobile station as set forth in Claim 1 wherein each of said IP packets comprise IP layer information and an IP packet payload.

4. (Previously Presented) The mobile station as set forth in Claim 3 wherein said IP packet payload comprises transmission control protocol (TCP) layer information.

5. (Original) The mobile station as set forth in Claim 4 wherein said IP packet payload comprises an over-the-air service provisioning payload associated with said at least one data burst message.

6. (Previously Presented) The mobile station as set forth in Claim 1 wherein each of said IP packets comprises IP layer information, transmission control protocol (TCP) layer information and a IP packet payload.

7. (Previously Presented) The mobile station as set forth in Claim 6 wherein said IP packet payload comprises an over-the-air service provisioning payload associated with said at least one data burst message.

DOCKET NO. 2000.10.001.WT0
U.S. SERIAL NO. 09/653,764
PATENT

8. (Original) The mobile station as set forth in Claim 1 wherein said data burst message protocol controller is capable of converting said decrypted IP packets to said at least one data burst message according to at least one of: 1) an IS-683-A protocol; 2) a short messaging service (SMS) protocol; and 3) extensible mark-up language (XML) protocol.

9. (Original) A system for secure over-the-air administration of a wireless mobile station via a base station in a wireless network, said system capable of transmitting to said wireless mobile station at least one of a software program, a software correction patch and provisioning data from a server associated with said wireless network, said system comprising:

a data burst message protocol controller capable of receiving and converting said at least one of a software program, a software correction patch and provisioning data into at least one data burst message;

an encryption controller capable of converting said at least one data burst message into a plurality of encrypted IP packets; and

an RF transceiver capable of converting said encrypted IP packets into at least one wireless message and transmitting said at least one wireless message to said wireless mobile station.

DOCKET NO. 2000.10.001.WT0
U.S. SERIAL NO. 09/653,764
PATENT

10. (Original) The system as set forth in Claim 9 wherein said encryption controller is capable of encrypting and decrypting IP packets according to at least one of:

IP Sec tunneling protocol;

Secure Shell (SSH) tunneling protocol;

Secure Sockets Layer/Transport Layer Security (SSL/TLS); and

point-to-point tunneling protocol (PPTP).

11. (Previously Presented) The system as set forth in Claim 9 wherein each of said IP packets comprises IP layer information and a IP packet payload.

12. (Previously Presented) The system as set forth in Claim 11 wherein said IP packet payload comprises transmission control protocol (TCP) layer information.

13. (Original) The system as set forth in Claim 12 wherein said IP packet payload comprises an over-the-air service provisioning payload associated with said at least one data burst message.

14. (Previously Presented) The system as set forth in Claim 9 wherein each of said IP packets comprises IP layer information, transmission control protocol (TCP) layer information and a IP packet payload.

DOCKET NO. 2000.10.001.WT0
U.S. SERIAL NO. 09/653,764
PATENT

15. (Original) The system as set forth in Claim 14 wherein the IP packet payload comprises an over-the-air service provisioning payload associated with said at least one data burst message.

16. (Original) The system as set forth in Claim 9 wherein said data burst message protocol controller is capable of converting said at least one of a software program, a software correction patch and provisioning data to said at least one data burst message according to at least one of: 1) an IS-683-A protocol; 2) a short messaging service (SMS) protocol; and 3) extensible mark-up language (XML) protocol.

17. (Previously Presented) For use in a wireless network, a method for securely transmitting to a wireless mobile station at least one of a software program, a software correction patch and provisioning data from a server associated with the wireless network, the method comprising the steps of:

receiving and converting the at least one of a software program, a software correction patch and provisioning data into at least one data burst message;

converting the at least one data burst message into a plurality of encrypted IP packets;

converting the encrypted IP packets into at least one wireless message; and

transmitting the at least one wireless message to the wireless mobile station.

DOCKET NO. 2000.10.001.WT0
U.S. SERIAL NO. 09/653,764
PATENT

18. (Original) The method as set forth in Claim 17 including the further steps of encrypting and decrypting IP packets according to at least one of:

IP Sec tunneling protocol;

Secure Shell (SSH) tunneling protocol;

Secure Sockets Layer/Transport Layer Security (SSL/TLS); and

point-to-point tunneling protocol (PPTP).

19. (Previously Presented) The method as set forth in Claim 17 wherein each of the IP packets comprises IP layer information and a IP packet payload.

20. (Previously Presented) The method as set forth in Claim 19 wherein the IP packet payload comprises transmission control protocol (TCP) layer information.

21. (Original) The method as set forth in Claim 20 wherein the IP packet payload comprises an over-the-air service provisioning payload associated with the at least one data burst message.

DOCKET NO. 2000.10.001.WT0
U.S. SERIAL NO. 09/653,764
PATENT

22. (Previously Presented) The method as set forth in Claim 17 wherein each of the IP packets comprises IP layer information, transmission control protocol (TCP) layer information and a IP packet payload.

23. (Original) The method as set forth in Claim 22 wherein the IP packet payload comprises an over-the-air service provisioning payload associated with the at least one data burst message.

24. (Original) The method as set forth in Claim 17 wherein the steps of receiving and converting the at least one of a software program, a software correction patch and provisioning data into at least one data burst message comprises the sub-step of converting the at least one of a software program, a software correction patch and provisioning data into at least one data burst message according to at least one of: 1) an IS-683-A protocol; 2) a short messaging service (SMS) protocol; and 3) extensible mark-up language (XML) protocol.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.